

1.1. Test Result of RF Exposure Evaluation

- . Product: RangeMax Wireless Router
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

The maximum Gain is 0dBi.

1.1.2. EUT Operation condition

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

1.1.3. Output Power into Antenna & RF Exposure Evaluation Distance 20cm

Test Mode 1:

Modulation Standard: IEEE 802.11b(11Mbps)

Test Date: Sep. 21, 2007 Temperature: 26 Humidity: 62%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	24.02	0.050
06	2437	24.08	0.051
11	2462	24.01	0.050

Test Mode 2:

Modulation Standard: IEEE 802.11g(54Mbps)

Test Date: Sep. 21, 2007 Temperature: 26 Humidity: 62%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	24.38	0.055
06	2437	24.27	0.053
11	2462	24.06	0.051

Test Mode 3:

Modulation Standard: IEEE 802.11 Turbo G(108Mbps)

Test Date: Oct. 24, 2007 Temperature: 26 Humidity: 62%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
06	2437	24.18	0.052

The MPE is calculated as $0.055 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.

For 2412-2462 MHz, the EUT will only be used with a separation of 20cm or greater between the antenna and nearby persons and can therefore be considered a mobile transmitter per 47CFR2.1091 (b).

The RF Exposure Information page from the manual is included here for reference.